

Extracting heat from the exhaust of dryers of coating, laminating, printing, and other machines and using it to warm inlet fresh air is another green initiative from AxisValence. This saves heat energy and provides operational savings with an attractive payback period.

The **Lamiflow®** is a flat plate type heat exchanger, where two air streams (exhaust and fresh air) cross each other, without coming in contact with each other. The heat exchanger comprises multiple, thin-walled and separated plates with large surface areas that allow air to flow for effective heat transfer, with minimal pressure drop.

Sensible energy from the warm exhaust air is thus transferred to the relatively cooler inlet air, without any mixing of the two air streams.

Thermal energy which was hitherto wasted is recovered, which reduces the overall cost of heating inlet air that is required for the process.

The benefits of working with AxisValence begin with our distinctive position in the market. We understand your application by ascertaining air flow rates, temperature, allowable pressure drops, dimensional constraints, etc.

We then apply our knowledge and experience to offer you a suitable solution without affecting the process. This is in the form of a tailor made system solution that includes, apart from the Lamiflow®, filters, air flow duct transition pieces, temperature sensors, indicators and related accessories.

